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Terms	Documents
(gather$6 or analyz$3 or collect$6) near5 patient near5 (data or information or file or history) same diagnos$6 near5 (malad$3 or ill$6 or sick$6 or disease)	47

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L20

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Search History

DATE: Tuesday, November 05, 2002 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L20	(gather$6 or analyz$3 or collect$6) near5 patient near5 (data or information or file or history) same diagnos$6 near5 (malad$3 or ill$6 or sick$6 or disease)	47	L20
L19	L18 and identif$10 near5 treatment	7	L19
L18	(gather$6 or analyz$3 or collect$6) near5 patient near5 (data or information or file) same diagnos$6 near5 (malad$3 or ill$6 or sick$6 or disease)	46	L18
L17	L13 and (identi$10 and implement$4) near5 treatment	4	L17
L16	L13 and identi$10 near5 treament	0	L16
L15	L13 and (identi$10 and implement$4) near5 treament	0	L15
L14	L13 and (identi$10 and implement%4) near5 treament	0	L14
L13	(gather$6 or analyz$3 or collect$6) same data same (malad$3 or ill$6 or sick$6 or disease) same patient same diagnos$5	342	L13
L12	(gather$6 or analyz$3 or collect$6) same data same (malad$3 or ill$6 or sick$6 or disease) same patient same diagnos$5	342	L12
L11	L10 and l5	0	L11
L10	L6 and l7 and l8	94	L10
L9	L5 and l6 and l7	3	L9
L8	(gather$6 or analyz$3 or collect$6) same data same (malad$3 or ill$6 or sick$6)	1422	L8
L7	L6 and (computer$6 or network$6 or www or world wide web)	6463	L7
L6	(patient or individualiz$3) same (diagnos$6 or prognos$6) same treat$6	16910	L6
L5	(assess$6 or determin$6 or estimat$4) same (modify$3 or vary$3 or chang$6) same preselect$6 same (medical$3 or clinic$6)	52	L5
L4	(assess$6 or determin$6 or estimat$4) same (modify$3 or vary$3 or chang$6) same preselect$6 same (medical$3 or clinic$6) same treatment	4	L4
L3	(assess$6 or determin$6 or estimat$4) same (modify$3 or vary$3 or chang$6) same preselect$6 same (wound or skin) same (medical$3 or clinic$6) same treatment	0	L3
L2	(assess$6 or determin$6 or estimat$4) same (deviation or variation) same preselect$6 same (wound or skin) same (medical$3 or clinic$6) same treatment	0	L2
DB=USPT; PLUR=YES; OP=ADJ			
L1	(5181905 or 4813942 or 4192785 or 5588428).pn.	4	L1

END OF SEARCH HISTORY

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Generate Collection Print

L20: Entry 16 of 47 File: USPT Aug 21, 2001

DOCUMENT-IDENTIFIER: US 6277071 B1
TITLE: Chronic disease monitor

Brief Summary Text (11):
The use of statistical analysis to create a diagnostic model for a given disease has been employed to create trained neural networks. U.S. Pat. No. 5,769,074 to Barnhill et al, discloses a computer based method which employs the steps of collecting data about patients (such as biological, physical, demographic, racial, environmental); digitizing the data and medical historical data; selecting digitized values that are associated with the diagnosis of a disease; scaling the data; performing tests to analyze the discriminating power of the data; grouping individual data values; preprocessing the data; inputting selected data to make pre-processed values into a computer based neural network in order to train the neural network; analyzing the contributions of the individual data inputs to the network; selecting the optimally trained neural network based on the performance, accuracy and cost; and inputting other patient data into the neural network to produce an output value which indicates whether the patient may have or be susceptible to the disease. Such technology has application to diagnostic patterns which are too subtle or too complex for humans and conventional computational methods to identify and allow for the provider to access large neural networks which are capable of recognizing diagnostic patterns. U.S. Pat. No. 5,860,917 to Comanor, et al, discloses such a neural network with a statistical model derived using a robustified similarity metrical least squares (SMILES) analysis.